

ABSTRACT OF THE DISCLOSURE

A monolithic dome shaped building of a size suitable to receive at least one relatively large vehicle, such as an airplane, is formed with a generally rectangular shaped access opening of sufficient size to enable passage of an airplane or other large vehicle into and out of the building. A three-dimensional unitary door is supported at an upper marginal edge on a guide track for lateral movement of the door between a first position closing the access opening and a second open position enabling passage through the access opening. The door includes a rigid frame structure having spaced upstanding frame members having outer convex surfaces similar to the convex contour of the dome wall adjacent the access opening. An outer metallic sheet or skin may be secured to the outer convex surfaces of the upstanding frame members to create a lightweight door, or a mesh reinforced built-up layer of cementitious material may be formed on the door frame to create a high strength door construction similar in cross-section to the cross-sectional makeup of the dome shaped building.